

Title (en)

Waveguide type optical device

Title (de)

Wellenleiterartige optische Vorrichtung

Title (fr)

Dispositif optique de type guide d'ondes

Publication

EP 2871503 B1 20160824 (EN)

Application

EP 14196312 A 20090219

Priority

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Abstract (en)

[origin: EP2253976A1] An arrayed waveguide grating optical multiplexer/demultiplexer according to the present invention including an input channel waveguide, an input slab waveguide, an arrayed waveguide, a polarization dependence eliminating means, an output slab waveguide, a temperature compensating means, and an output channel waveguide is characterized in that the temperature compensating means compensates for the temperature dependence of the optical path lengths in the channel waveguides of the arrayed waveguide, and the polarization dependence eliminating means eliminates the polarization dependence of the optical path length due to the birefringence of the arrayed waveguide and the polarization dependence of the optical path length of the temperature compensating means.

IPC 8 full level

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CPC (source: EP US)

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